**Measurement** Video Questions:

1. Mr. Sterman uses several rulers to measure the can. What are the similarities and differences in the rulers? Is one better than another? If so, Why

3. When do you estimate in a measurement?

4. Should you estimate in a measurement?

5. What guidelines does Mr. Sterman give you so that you’ll estimate correctly?

6. If your measuring liquid, you’ll see a meniscus. What’s the meniscus and where do you “read” the measurement?

7. Give examples of the two types of errors described. How can you minimize errors in measurement?

8. How can you make measurements more precise or reproducible?

9. Accuracy is determined in reference to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

10. Is it better to be accurate or precise?

11. What can a scientist do to make their measurements both accurate and precise?

**Sig. Fig** Video Questions:

1. In a measurement which numbers are you “sure of “ and which is the estimate?

2. In a measurement which numbers are significant?

3. How do you know the number of sig figs in 780? Is the zero and estimate or a “sure of “ number? How about 780.0

4. Why are zeros significant sometimes and just “decoration” or “space holders” other times?

5. Explain the answers for the practice problems G,H, and J. Each is a different “zero” rule!

6. Why are we using sig figs??? What’s the point?